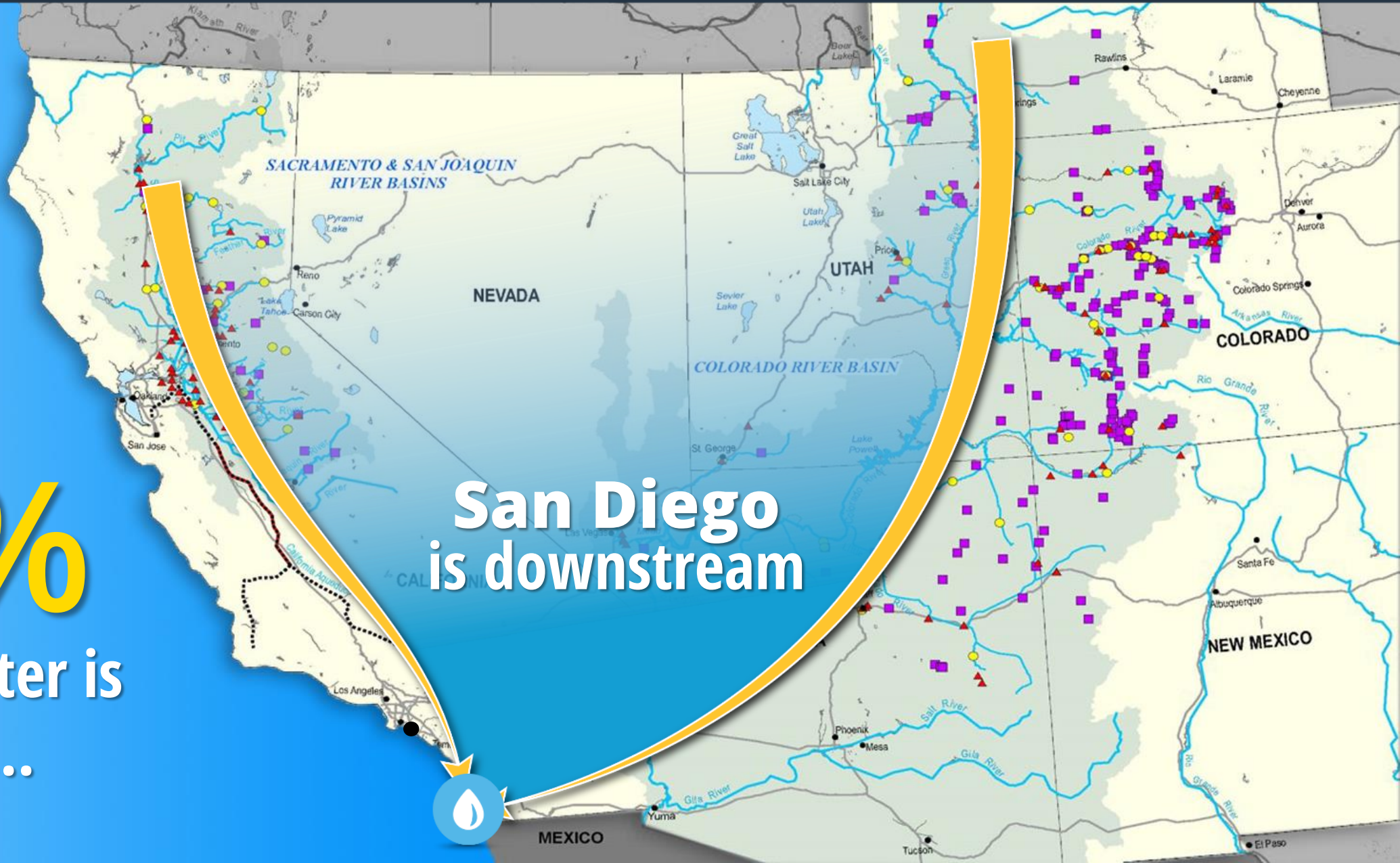


Pure Water San Diego Program

Pure Water Facility Tour

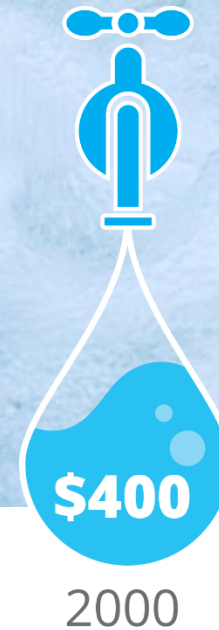
85%
of our water is
imported...

**San Diego
is downstream**



We Face Numerous Water Challenges

Imported water cost per acre-foot



- Limited local & imported supplies
- Population growth
- Bay Delta constraints
- Natural disaster risk
- Rising imported water costs
- Recurring drought

Multi-faceted Approach



- Conservation
- Desalination
- Groundwater Development
- Recycled Water
- Pure Water Program

What is **Pure Water** San Diego?



Safe



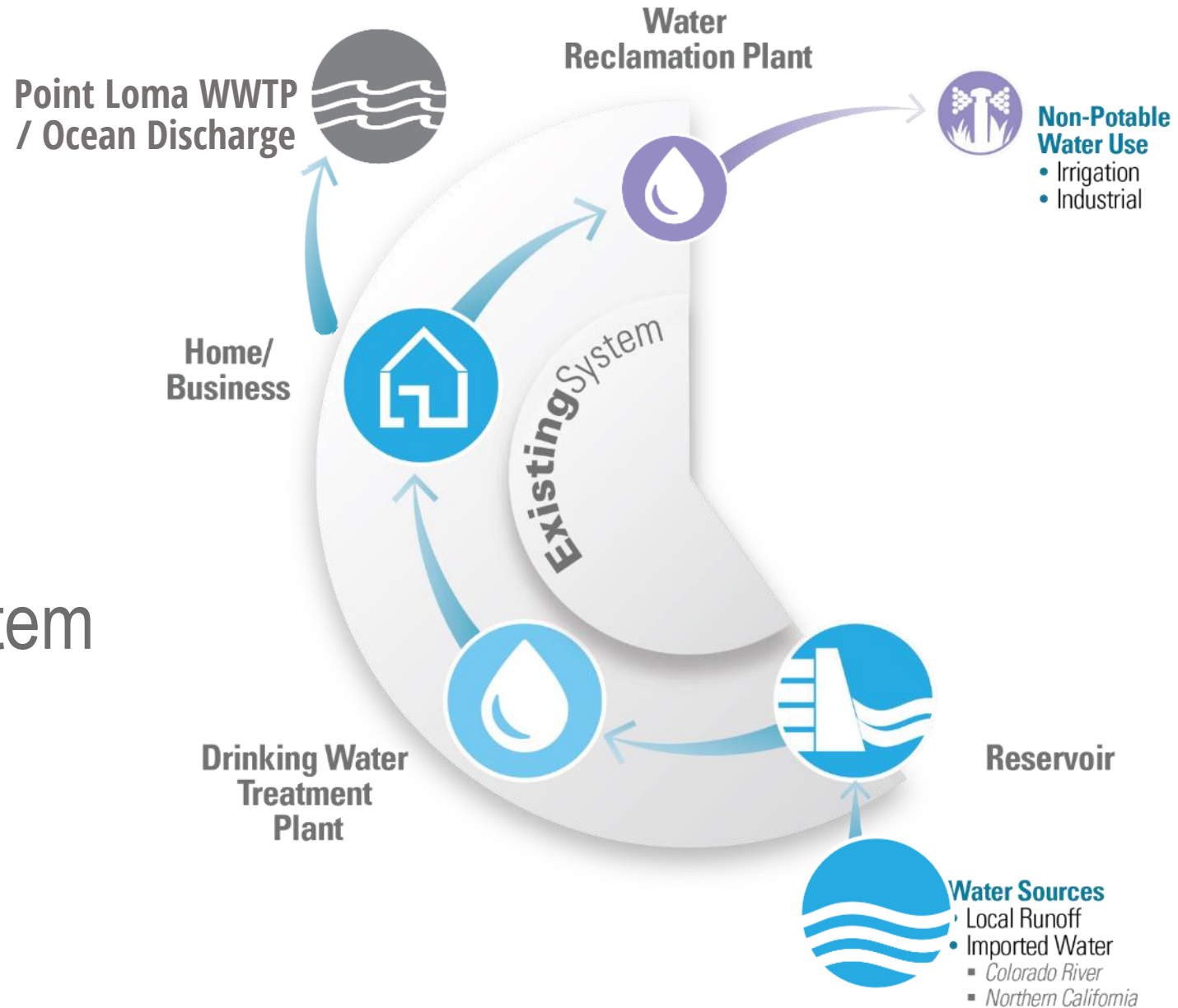
Reliable



Cost-effective

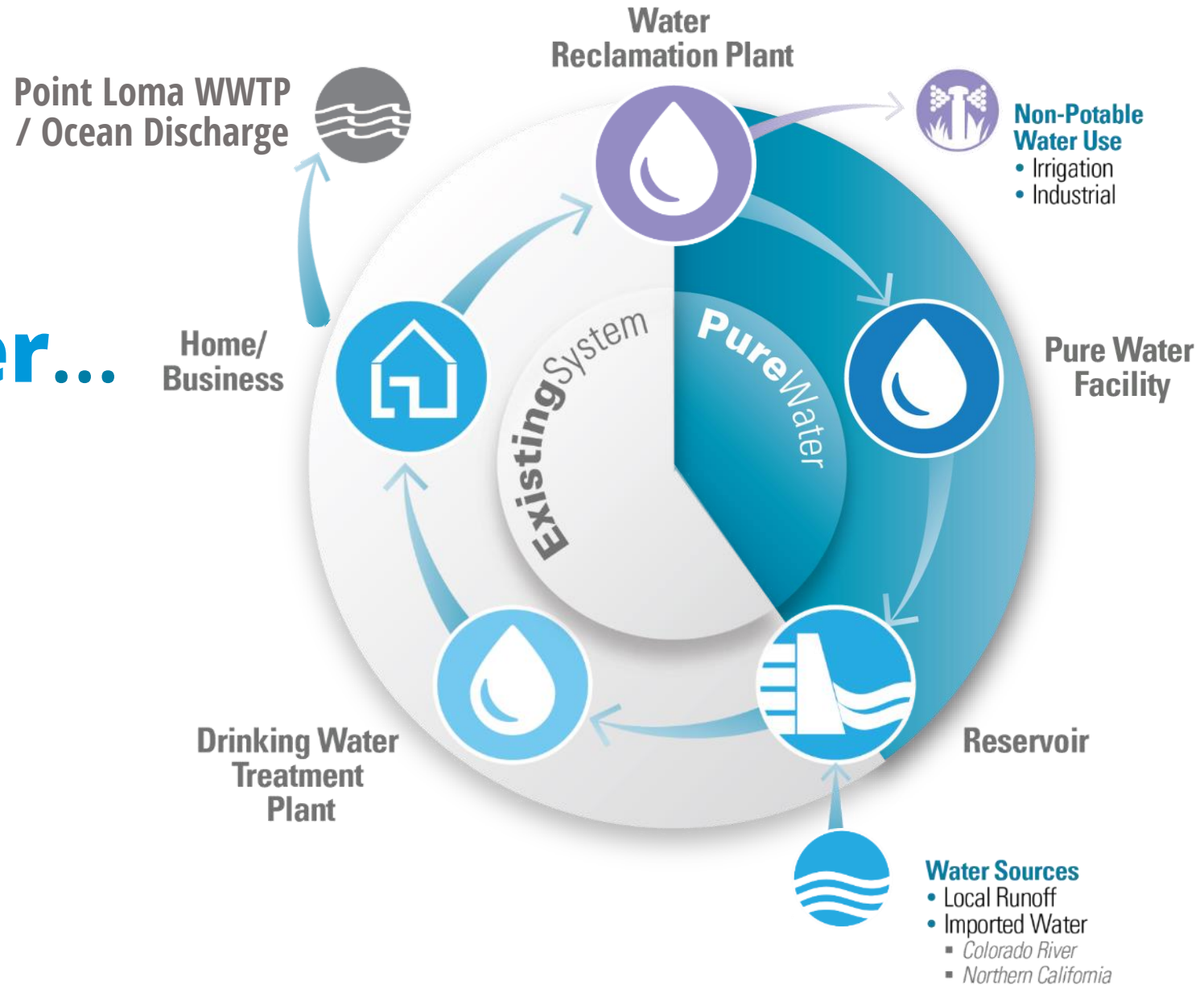
Existing System...

Primarily a
Single-Use System



Pure Water...

Completes Our
Water Cycle



Pure Water Runs a Successful Demonstration Facility



- 30,000 lab tests: **Met all standards**
- Water quality: **Exceptional**
- Energy use: **Renewable**

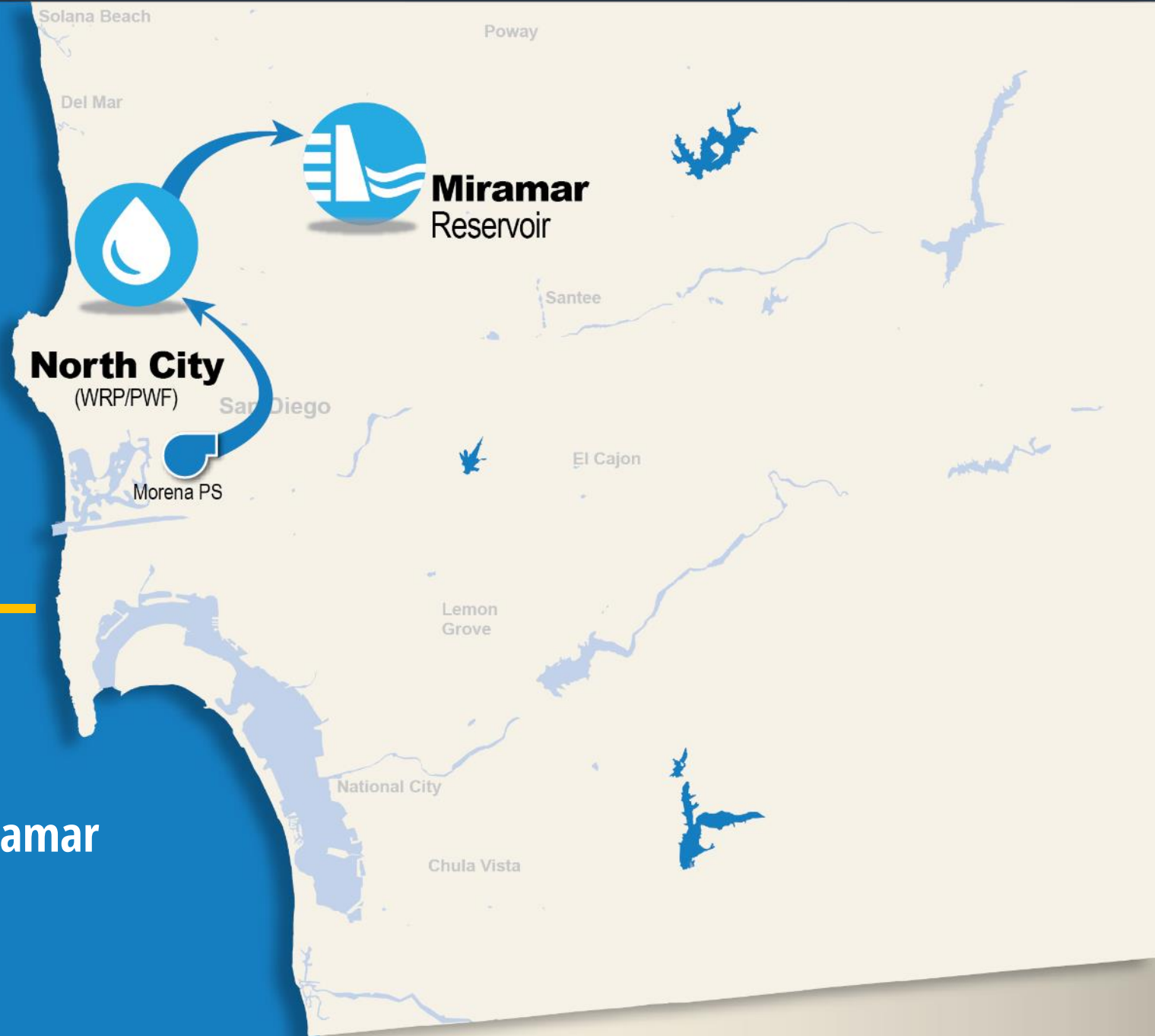
This video will explain the water purification process that you will see on today's tour.



Pure Water
will produce
1/3
of your water
locally

Phase 1

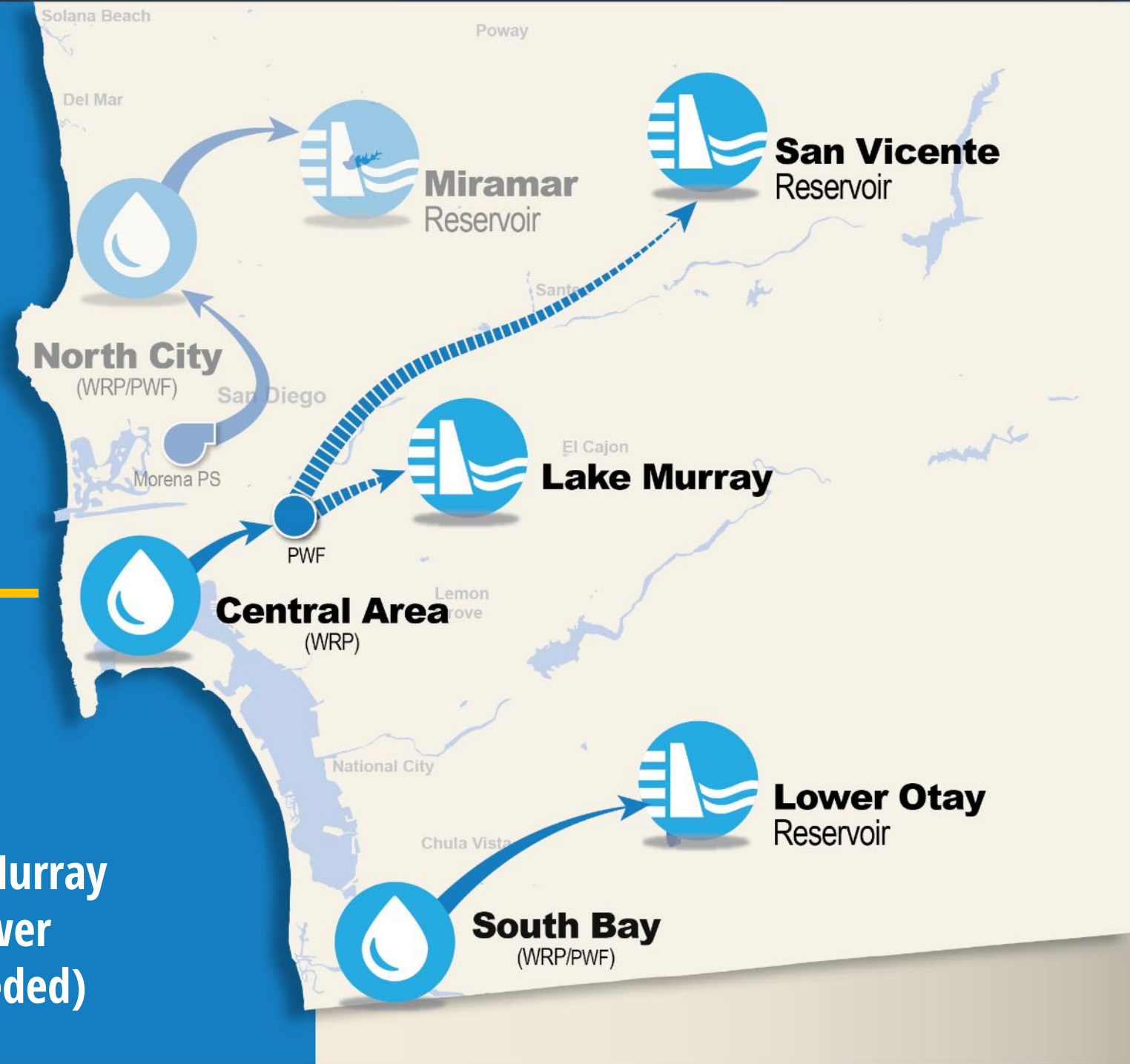
- 2021 Completion
- 30 mgd
- North City PWF to Miramar



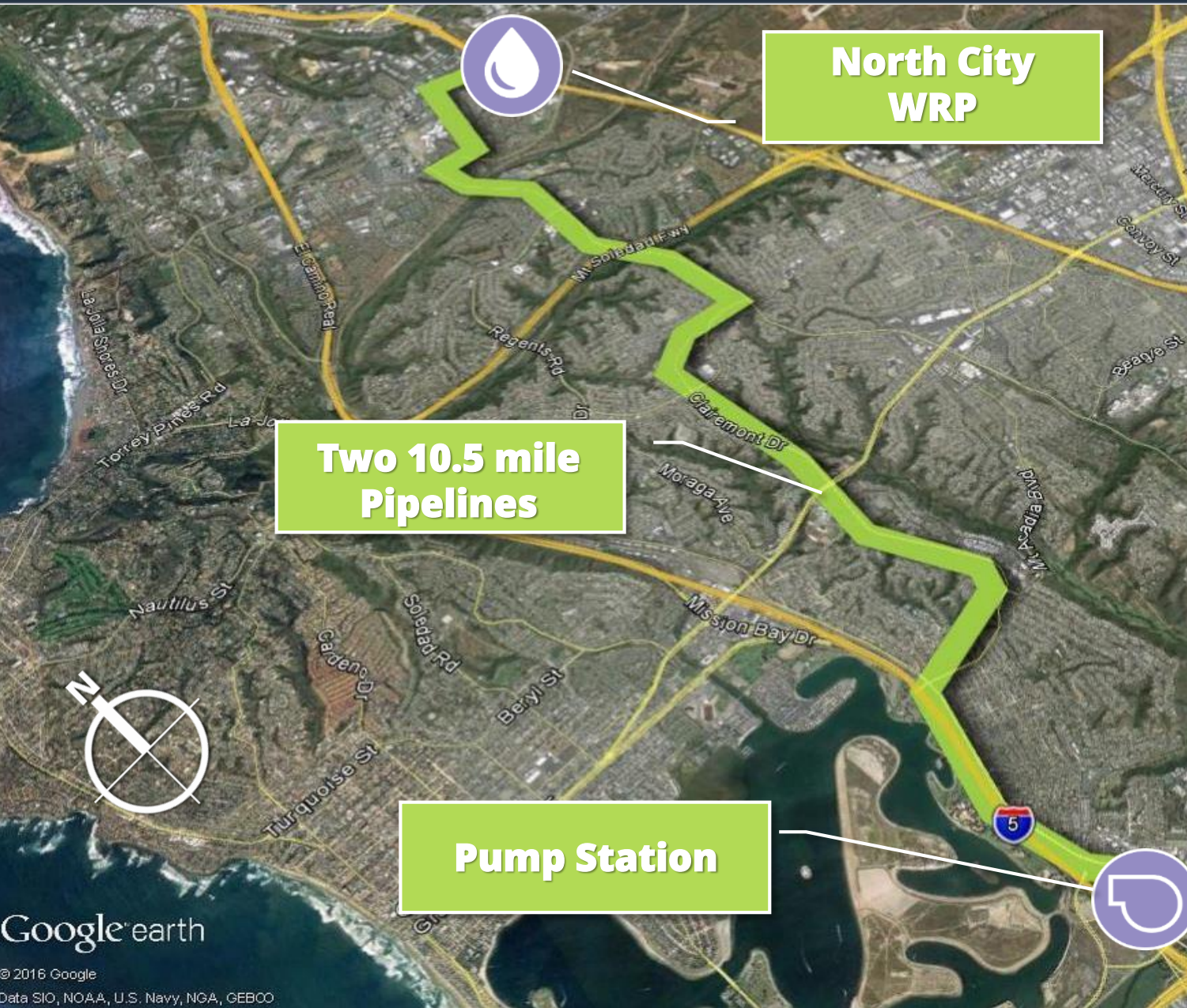
Pure Water
will produce
1/3
of your water
locally

Phases 2 & 3

- 2035 Completion
- 53 mgd
- Central Area PWF to San Vicente or Lake Murray
- South Bay PWF to Lower Otay Reservoir (if needed)



SD Morena Pump Station and Pipelines



- Conveys wastewater to North City Water Reclamation Plant (WRP)
- Supports Phase I Pure Water and recycled water production
- Trenchless construction will be used to avoid:
 - *environmentally sensitive areas*
 - *freeway crossings*
- Design completion: Mid 2018
- Construction: 2019 – 2021



North City WRP Expansion

Pure Water
Facility



NCWRP



Morena Pipeline

- Treats wastewater to recycled water standards
- Expansion nearly doubles the amount of recycled water produced to meet needs of:
 - *Pure Water Facility*
 - *Recycled Water System*
- Design Completion: Mid 2018
- Construction: 2019 - 2021





North City Pure Water Facility

Pure Water
Facility



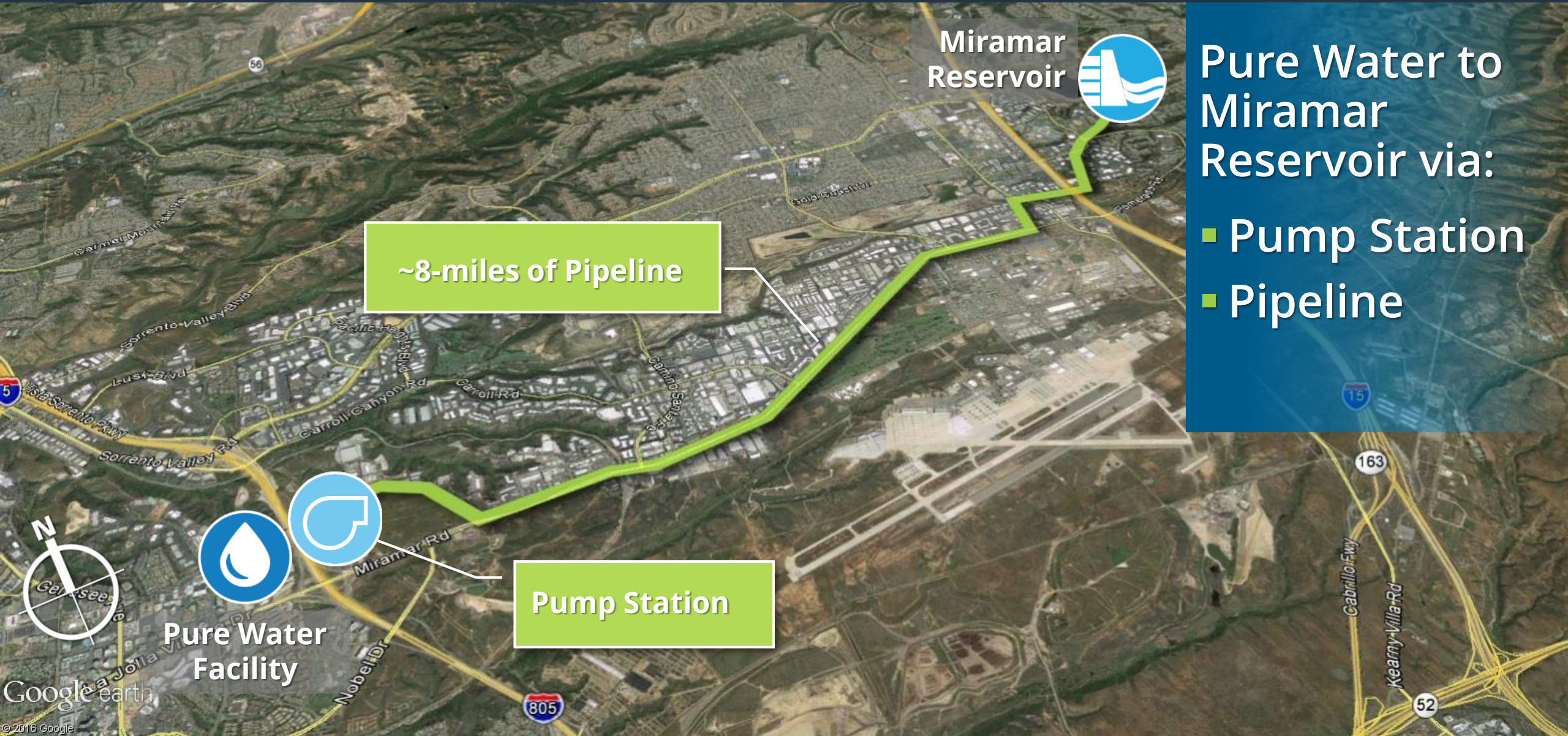
NCWRP



- Treats recycled water to produce 30 mgd of purified water
- Includes a proven 5-step advanced water purification treatment process
- Design Completion: Mid 2018
- Construction: 2019 – 2021



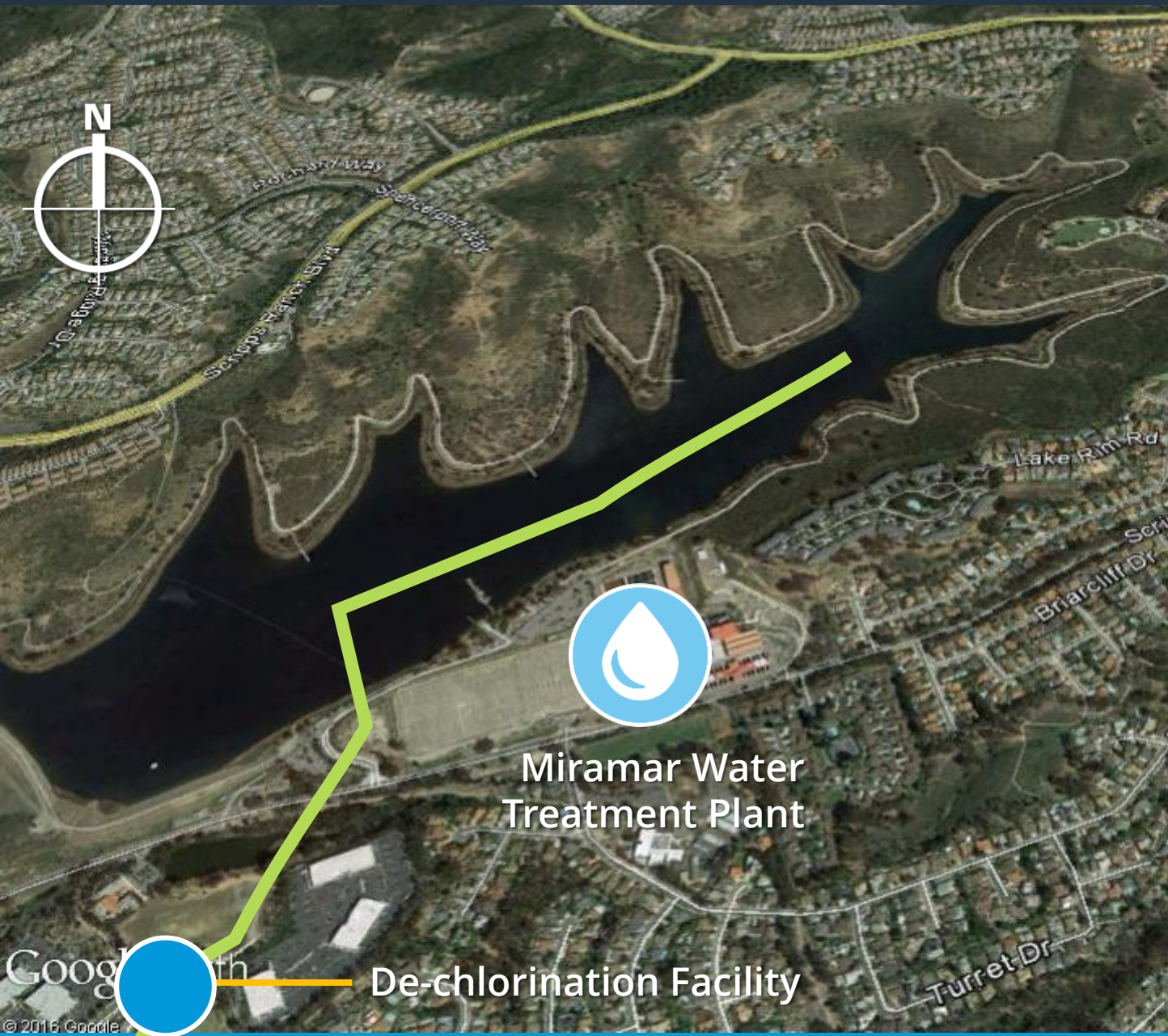
North City Pure Water Pump Station and Pipeline



Pure Water to
Miramar
Reservoir via:

- Pump Station
- Pipeline

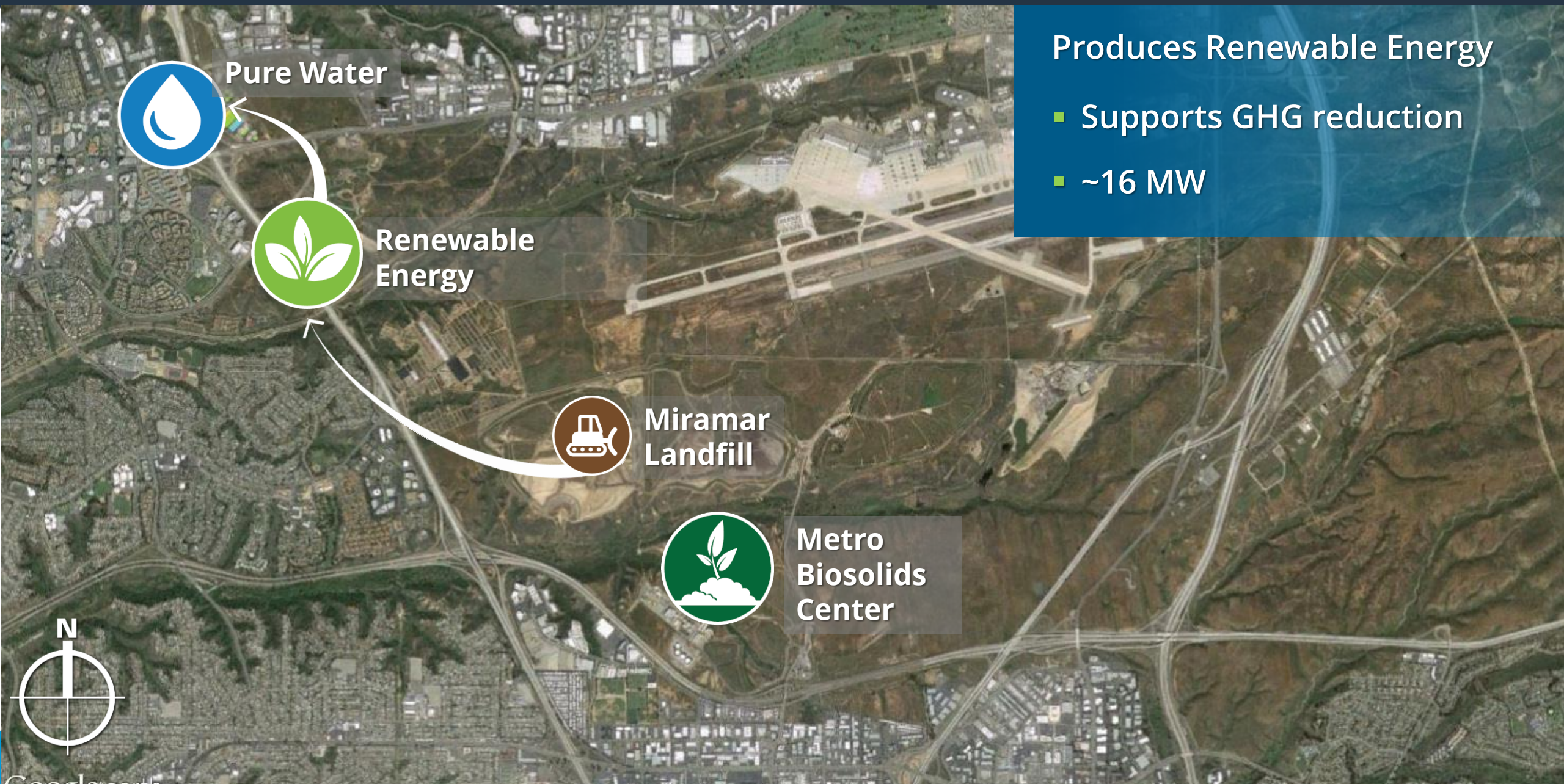
SD Miramar Reservoir



The purified water:

- Is released via underwater pipeline in the reservoir
- Will blend with imported and local water supplies
- Design Completion: Early 2018
- Construction: 2019 - 2021

SD North City Renewable Energy



Produces Renewable Energy

- Supports GHG reduction
- ~16 MW

Pure Water

Renewable
Energy

Miramar
Landfill

Metro
Biosolids
Center



www.purewatersd.org



Pure Water San Diego



PureWaterSD



@PureWaterSD



PureWaterSD

Join our **mailing list** and **sign a support card**